

SEQUENCE LISTING

<110> ASAHI DENKA Co., Ltd.

<120> New microorganism and method for producing β glucan by the new microorganism

<130> A0301

<160> 4

<210> 1

<211> 1732

<212> DNA

<213> Aureobasidium pullulans ADK-34

<400> 1

```

aaagattaag ccatgcatgt ctaagtataa gcaactatac ggtgaaactg cgaatggctc 60
attaaatcag ttatcgttta ttgatagta ccttactact tggataaccg tggtaattct 120
agagctaata catgctaaaa accccaactt cggaaggggt gtatttatta gataaaaaac 180
caacgccctt cggggctcct tgggtattca taataactaa acgaatcgca tggccttgcg 240
ccggcgatgg ttcatcctaaa tttctgccct atcaactttc gatggtagga tagtggccta 300
ccatggtatc aacgggtaac ggggaattag ggttctattc cggagaggga gcctgagaaa 360
cggtaccac atccaaggaa ggcagcaggc gcgcaaatta cccaatcccg acacggggag 420
gtagtgacaa taaatactga tacagggctc ttttgggtct tgtaattgga atgagtacaa 480
tttaaatecc ttaacgagga acaattggag ggcaagtctg gtgccagcag ccgcggtaat 540
tcagctcca atagcgtata ttaaagttgt tgcagttaaa aagctcgtag ttgaaccttg 600
ggcctggctg gccggtccgc ctcaccgctg gtactggtec ggccgggcct ttccttctgg 660
ggagccgcat gcccttcact gggcgtgtcg gggaaccagg acttttactt tgaaaaaatt 720
agagtgttca aagcaggcct ttgctcgaat acattagcat ggaataatag aataggacgt 780
gcggttctat tttgttggtt tctaggaccg ccgtaatgat taatagggat agtcgggggc 840
atcagtattc aattgtcaga ggtgaaatte ttggatttat tgaagactaa ctactgcgaa 900
agcatttgcc aaggatgttt tcattaatca gtgaacgaaa gttaggggat cgaagacgat 960

```

cagataccgt cgtagtctta accataaact atgccgacta gggatcgggc gatgttatca 1020
 ttttgactcg ctccggcacct tacgagaaat caaagtcttt gggttctggg gggagtatgg 1080
 tcgcaaggct gaaacttaaa gaaattgacg gaagggcacc accaggcgtg gagcctgcgg 1140
 cttaatttga ctcaacacgg ggaaactcac caggtccaga cacaataagg attgacagat 1200
 tgagagctct ttcttgattt tgtgggtggt ggtgcatggc cgttccttagt tgggtggagt 1260
 atttgtctgc ttaattgcga taacgaacga gaccttaacc tgctaaatag cccggcccgc 1320
 tttggcgggt cgccggcttc ttagaggac tatcggtca agccgatgga agtttgaggc 1380
 aataacaggt ctgtgatgcc cttagatgtt ctgggccgca cgccgcgtac actgacagag 1440
 ccaacgagtt catttccttg cccggaaggg ttgggtaate ttgttaaact ctgtcgtgct 1500
 ggggatagag cattgcaatt attgctcttc aacgaggaat gcctagtaag' cgtacgtcat 1560
 cagcgtgcgt tgattacgtc cctgcccttt gtacacaccg cccgtcgcta ctaccgattg 1620
 aatggctgag tgaggccttc ggactggccc agggaggtcg gcaacgacca cccagggccg 1680
 gaaagtgtgt caaactccgt catttagagg aagtaaaagt cgtaacaagg tt 1732

<210> 2

<211> 563

<212> DNA

<213> Aureobasidium pullulans ADK-34

<400> 2

ttccgtagg tgaacctgcg gaaggatcat taaagagtaa gggtgctcag cgcccgacct 60
 ccaacccttt gttgttaaaa ctaccttggt gctttggcgg gaccgctcg ttccgagccg 120
 ctggggattc gtcccaggcg agtgcccgcc agagttaaac caaactcttg ttattaaacc 180
 ggtcgtctga gttaaaatth tgaataaatc aaaactttca acaacggatc tcttggttct 240
 cgcatcgatg aagaacgcag cgaaatgcga taagtaatgt gaattgcaga attcagttaa 300
 tcatcgaatc tttgaacgca cattgcgccc cttggtattc cgaggggcat gcctgttcga 360
 gcgtcattac accactcaag ctatgcttgg tattgggtgc cgtccttagt tgggcgcgcc 420
 ttaaagacct cggcgaggcc actccggctt taggcgtagt agaatttatt cgaacgtctg 480
 tcaaaggaga ggaactctgc cgattgaaac ctttattttt ctaggttgac ctccgatcag 540
 gtagggatac ccgctgaact taa 563

<210> 3

<211> 563

<212> DNA

<213> *Aureobasidium pullulans* IFO-6353

<400> 3

```
tttccgtagg tgaacctgcg gaaggatcat taaagagtaa gggtgctcag cgcccgaacct 60
ccaacccttt gttgttaaaa ctaccttggt gctttggcgg gaccgctcgg tctcgagccg 120
ctggggattc gtcccaggcg agcgcccgcc agagttaaag caaactcttg ttatttaacc 180
ggtcgtctga gttaaaattt tgaataaatc aaaactttca acaacggatc tcttggttct 240
cgcatcgatg aagaacgcag cgaaatgcga taagtaatgt gaattgcaga' attcagtga 300
tcatcgaatc tttgaacgca cattgcgccc cttggtattc cgaggggcat gcctgttcga 360
gcgtcattac accactcaag ctatgcttgg tattgggtgc cgtccttagt tgggcgcgcc 420
ttaaagacct cggcgaggcc tcaccggctt taggcgtagt agaatttatt cgaacgtctg 480
tcaaaggaga ggacttctgc cgactgaaac ctttattttt ctaggttgac ctcggatcag 540
gtagggatac ccgctgaact taa 563
```

<210> 4

<211> 564

<212> DNA

<213> *Aureobasidium pullulans* IFO-7757

<400> 4

```
tttccgtagg tgaacctgcg gaaggatcat taaagagtaa gggtgctcag cgcccgaacct 60
ccaacccttt gttgttaaaa ctaccttggt gctttggcgg gaccgctcgg tctcgagccg 120
ctggggattc gtcccaggcg agcgcccgcc agagttaaag caaactcttg ttatttaacc 180
ggtcgtctga gttaaaattt tgaataaatc aaaactttca acaacggatc tcttggttct 240
cgcatcgatg aagaacgcag cgaaatgcga taagtaatgt gaattgcaga attcagtga 300
tcatcgaatc tttgaacgca cattgcgccc cttggtattc cgaggggcat gcctgttcga 360
gcgtcattac accactcaag ctatgcttgg tattgggtgc cgtccttagt tgggcgcgcc 420
ttaaagacct cggcgaggcc tcaccggctt taggcgtagt agaatttatt cgaacgtctg 480
```

tcaaaggaga ggacttctgc cgactgaaac cttttatattt tctaggttga cctcggatca 540
ggtaggata cccgctgaac ttaa 564